

ORDER

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

6930.15

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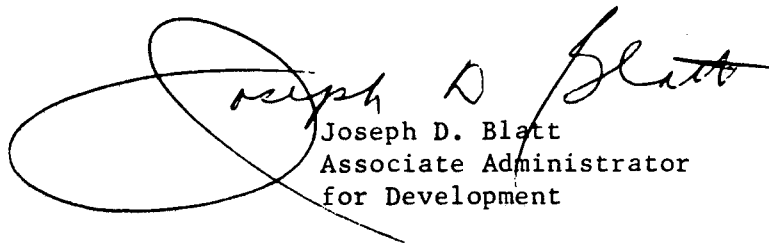
CONTROL AND REDUCTION OF NOISE LEVELS CAUSED BY CONSTRUCTION ACTIVITY
SUBJ: AT AIR TRAFFIC CONTROL FACILITIES.

1. PURPOSE. This Order establishes policy for the control and reduction of construction noise levels in the vicinity of ground/air and air/ground communications.
2. BACKGROUND. Experiences have shown that noises resulting from construction activity in the vicinity of air traffic control communications operations areas have resulted in garbled transmissions received by aircraft. The garbling of transmission creates a hazard to flight safety since flight data instructions may not be heard or may be misinterpreted.
3. POLICY. Prior to commencing any facility construction activity in the vicinity of the air traffic control communication operations, suitable measures shall be taken to ensure that the noise level of subsequent construction activity will not be of such magnitude as to constitute a hazard to flight safety. Noises resulting from construction activities in the proximity of communications operating positions shall be controlled or suitably dampened to ensure that the noises are not transmitted and do not interfere with other transmission or reception.
4. RESPONSIBILITY. Organizational elements responsible for facility design, construction, installation and maintenance shall take the necessary action to implement the policy established by this Order.
5. GUIDELINES. Due to the diversification in types of construction noises and the variables in air/ground communications environments and operations, the solutions to the noise problems must be determined on an individual basis. To aid in the solutions to these problems, the following listed items are suggested for guidance:
 - a. Schedule construction operations at periods of low or non-existing air traffic activity.
 - b. Use acoustical drapes or curtains to isolate construction areas.

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- c. Isolate construction areas by constructing temporary acoustical walls, ceilings, and floors to reduce sound transmission.
 - d. Limit construction operations in air/ground communication areas to the installation function only. Perform fabrication, assembly etc., functions elsewhere.
 - e. Utilize construction methods that result in minimum noise levels.
 - f. Utilize noise canceling microphones and headsets and "muff-type" earphones.
 - g. Use alternate operating positions located away from the construction area if they are available.
6. COST. The cost of controlling and reducing construction noises shall be included as part of the overall cost of individual maintenance, repair or new construction projects. No special funds or funding procedures for these costs are established by this Order.



Joseph D. Blatt
Associate Administrator
for Development